



# PRIMARY FLUID SYSTEMS INC.

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**TEMPERATURE EFFECTS:** Thermoplastics and thermosets will decrease in tensile strength as the temperature increases; therefore, the working pressure must be reduced accordingly. The following factors will apply:

## Temperature Correction Factors Thermoplastics

<u>Operating Temperatures</u>		<u>{Factors}</u>			
<i>F</i>	<i>C</i>	<i>PVC</i>	<i>CPVC</i>	<i>PP</i>	<i>PVDF</i>
70	21	1.00	1.00	1.00	1.00
80	27	0.90	0.96	0.97	0.95
90	32	0.75	0.92	0.91	0.87
100	38	0.62	0.85	0.85	0.80
110	43	0.50	0.77	0.80	0.75
115	46	0.45	0.74	0.77	0.71
120	49	0.40	0.70	0.75	0.68
125	52	0.35	0.66	0.71	0.66
130	54	0.30	0.62	0.68	0.62
140	60	0.22	0.55	0.65	0.58
150	66	NR	0.47	0.57	0.52
160	71	NR	0.40	0.50	0.49
170	77	NR	0.32	0.26	0.45
180	82	NR	0.25	*	0.42
200	93	NR	0.18	NR	0.36
210	99	NR	0.15	NR	0.33
240	116	NR	NR	NR	0.25
280	138	NR	NR	NR	0.18

**NR** – Not Recommended

\* – Recommended for continuous  
drainage pressure only

02/22/98

***"Specializing in Metering Pump Accessories"***